16

20

10a

12a

16a

14

18

18

FIG.1

10b

12b

16

16a

14

22

24

18

18

18

FIG.2

FIG.3

MAIN DISPLAY 14

AUXILIARY DISPLAY 12

MOVABLE PORTION

HAND-HELD DEVICE 16

VIDEO REPLAY 34

I/F 30

H/W RENDERING 32

MEMORY 28

PROCESSOR 26

INPUT 18

I/O 36

IR/SYNC, PORT, CELL, BLUETOOTH, OR CABLE

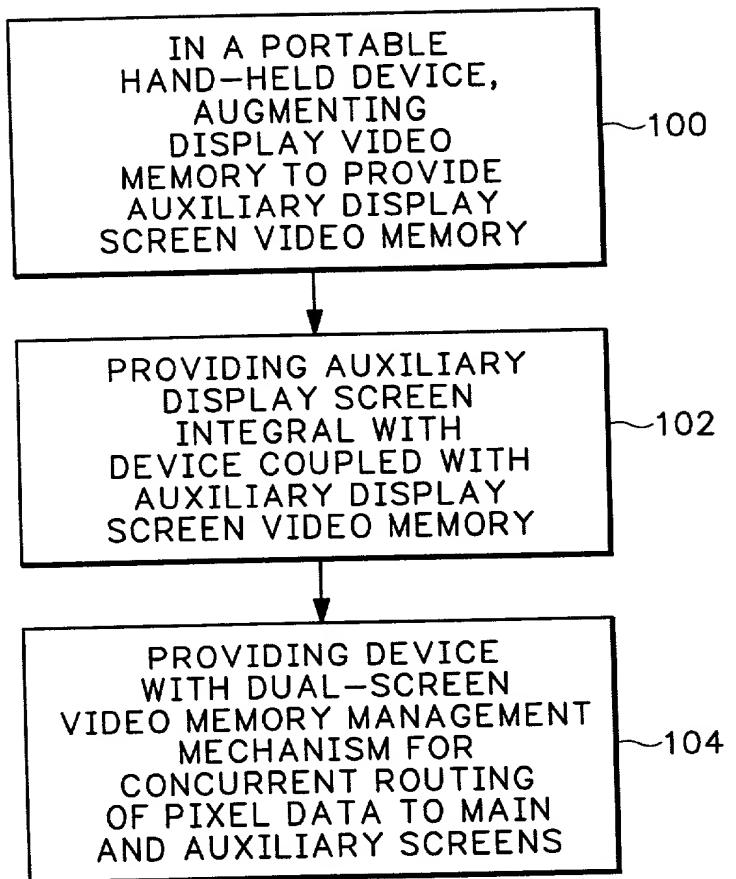IN A PORTABLE
HAND–HELD DEVICE,
AUGMENTING
DISPLAY VIDEO
MEMORY TO PROVIDE
AUXILIARY DISPLAY
SCREEN VIDEO MEMORY

~100

PROVIDING AUXILIARY
DISPLAY SCREEN
INTEGRAL WITH
DEVICE COUPLED WITH
AUXILIARY DISPLAY
SCREEN VIDEO MEMORY

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PROVIDING DEVICE
WITH DUAL–SCREEN
VIDEO MEMORY MANAGEMENT
MECHANISM FOR
CONCURRENT ROUTING
OF PIXEL DATA TO MAIN
AND AUXILIARY SCREENS

~104

FIG.4